

LINKED DATA

Linked Data:

A set of best practices for publishing and connecting structured data on the Web.

The integration of library materials with other shared data to be discovered on the open web. (Pace, 2018)

CONCEPT OF TRIPLES

Something has a particular kind of relationship with something else. For example, in human terms you can say that the person William Shakespeare has a relationship of “author” with the work “Hamlet”:

William Shakespeare -> is the author of -> Hamlet

That relationship is known, in the world of linked data, as a “triple.”

Triples allow for “second layer metadata” linking even more things, places, etc... (Tennant, 2016)

BIBFRAME

Bibliographic Framework Initiative:

In Development by Library of Congress
ALMA Currently *READ ONLY*
(LOC, 2018)

What about MARC?

MARC is not accessible by open web search engines
Designed for controlled closed library databases
MARC’s legacy data is being harvested for linked data discovery
MARC is not going away any time soon
OCLC (2018)

LEARN MORE ABOUT:

RDF= Resource Description Framework, is one of the key ingredients of Linked Data, and provides a generic graph-based data model for describing things, including their relationships with other things
RDF is written in Extensible Markup Language (XML) a metalanguage which provides interoperability (Pace, 2018)

RDA

Resource Description and Access (RDA):

Emphasis on RELATIONSHIPS

Guidelines, NOT rules

Library Reference Model (LRM) = A conceptual model for bibliographic information developed by IFLA, for RDA development

RDA goes beyond MARC fields of description using ontologies for cross-community relationships (Riva, 2017)

WHAT TO LEARN TODAY:

Take a course in Linked Data or XML from a SLIS online program/webinar

Familiarize yourself with linked data terminology and RDA/Bibframe terminology

Continue adding quality MARC records to OCLC

Learn more about LRM theory

INTEROPERABILITY = ultimate goal!!